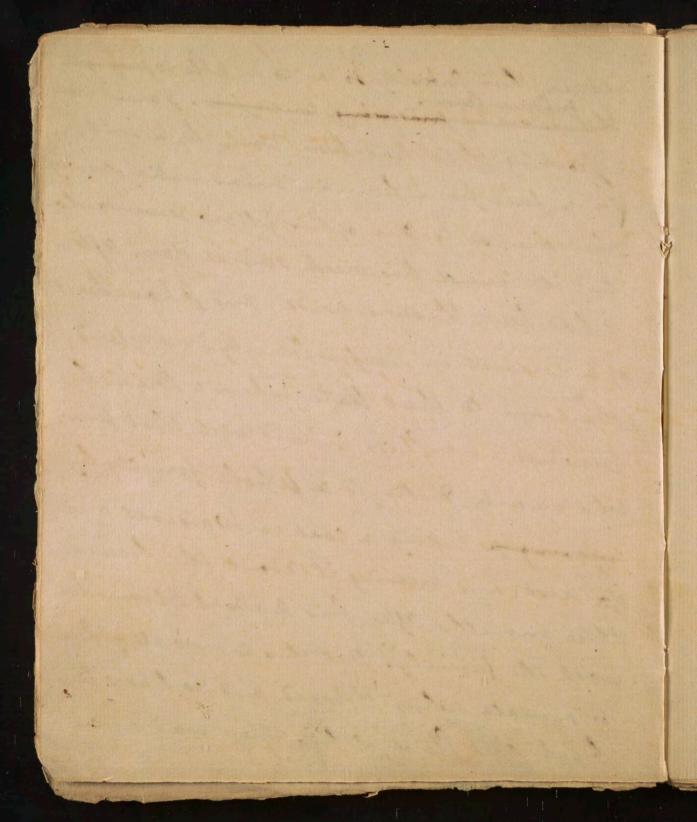
p30. On the remote Carises of discentions in sensible gradities from de in the dis wort.

co -te ch CI he 3

responds them when formed, to be carried off by fresh air, and in the latter case to the disposition of those men to croud together in the hold of the Ship in order to protect themselves from the lold and Danys air. Even the entitlery Lospitals in hot Climates are wown visited with from from human Ini: -asmata. De Hunter informs us that during two years in which he had the Charge of a wilitary hospital in Jamaica he did not su a single case of it. 3 Human eniasmata adhere to Chathing of all kinds, enous experially to Collon & lovolers whether apparel or antains for days, weeks and even mouths, during which time they

in the practice of physics. The second secon

retain their artisity so as to be able to proposate the module fever. I once know the house by producing contagion. I once know aftocking that had been worn by a man in a fever from human brinsmutja, convey that discuse to One of his fellow terrants who tied it round his nuch sweral days after it had been thrown soide, and I have heard of a convict in Itanford County Inaryland, who came to that State when a British Invince in a Philp infuted with that fewer, who marly Distroyed a fishale family by wering a taking a coat or Waiscout out of thest, and heaving it about the house three months after his animal blommetin with the family. But this is not all, these missmata ashers to brown, and perhaps to buich and Stone Walls. There was an



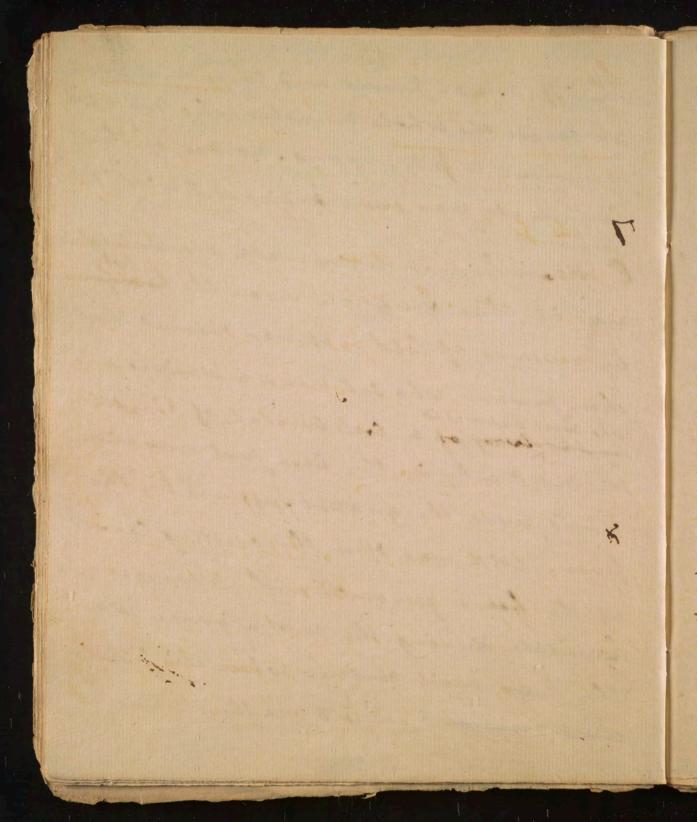
an instance of a worden hospital at the yellow Springs in this flate which betained the Seeds of this five for fire nouths to infect a smenher of boldiers who were sent to it, during the revolution my war. De Willow mentions an instance in which there miss: = muta were returned in an artire flats for Iwisal years in some houses in woods Close Clerhenwell in the City of London . Similar facts are related by Dr Clark. We are prepared by them to believe the amounts that are given In the Old testament of the Lyprony of the stringetion of Jews which as hered with so which tenaity to for the walls of this houses as to make it neupary to them in order to distroy the infution. It is umarhable the contagion of the fever from human miasmata does not adhere to white washed walls, nor to w

VI was communicated in this way not huller tells us in his elesiastical history on the 23 of June in the year 1557in oxford in great Britain. A certain Rowl: Inkins a popish boshseller was brought from j'ail is which he had been closely confined and publishly Convicted of dispussing a heditions panightet. Of the pessous who evere present at his try al 300 were infuted by him and died, and roo more were infuted pout of the land house by the who he received the disease from these Who were infected in it. Of these 500 who were infected in it. Of these 500 who were infected in the boundary or thild. Here was a single browning le informes us

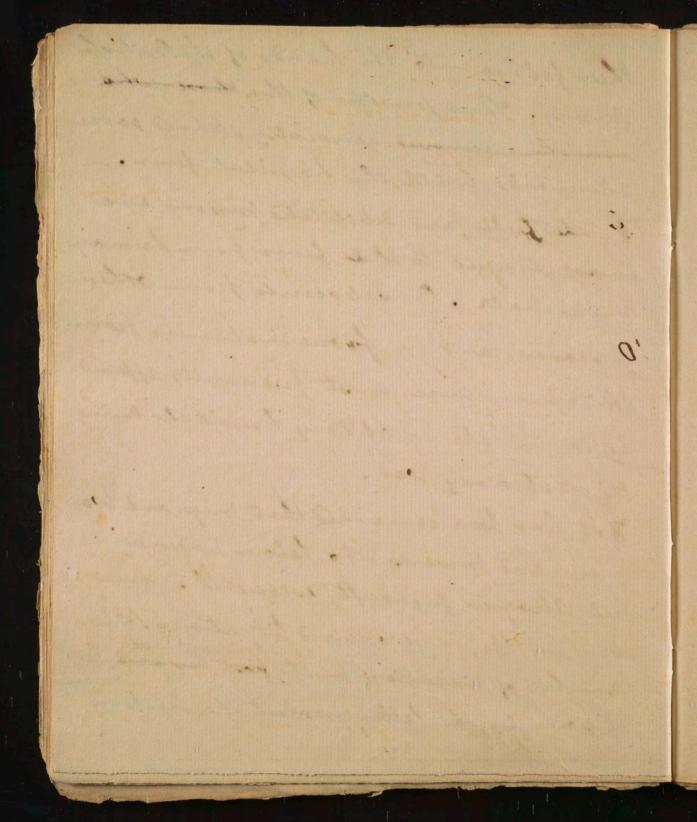
ground floor. The former has been proved by Im Howard in his aummet of Lucarettos, and the latter by Count Jake in his Rusies upon the art of war, and heres he always he who forbad the ground of his willlary hospitals to be covered with wood, or any Other matter. D' Lilton followed his practice and advice in the Constructions of his hut: - hospitals near Inmistoria in the year 1780, and with arigular advantage to the Toldies of the amorican army. 4 Persons highly impregnated with retained & vibiated perspiration sometimes in feet of that yethat seople without being infected themselves. was Communicated by some Criminals burght from prison in the Anothe to the ow Bailey to forty formand on the 15th of may 1750 to four Endses, two or three lawyers, one

V analogous to thise facts, there was a man eveneyears ago in new Jessey who was ineapable of being poisoned by the Common pois on Vine of our meadows, who never failed to infect his hipewith it after handling, or being otherwise exposed to it. from their own confined proprio ation. Solitary fevers are often induced in this way. The second of the second of the second

theriff, swerat prives and to as many others as made the whole humber who died ofit amount to forty pursons. no ane of the Criminals was even indisposed with it. 6 Edio or human minsmata are much aided in this operation upon the house by means of Cold. It was observed that those persons who sat near a window and who were exposed to a cool current of airs at the Old Brilly in the Case just now men. - timed, were the quatest Sufferess by the fiver. Cold was often the existing cause of the bour generated in the american hospitals during the rushstionary was. This was enost obvious when the foldiers evere vernoved in ald weather to privent



Their falling into the hands of the British array. Three Jonathas of them there who were the same generally sichned soon afternards with the hospital fiver. To The Juble and debilitated pursons are most subject to the fiver from human mins wata. Comales cents from other diseases, and in from instances from This four, were most frequently affected by it in the wilitary hospitals during the revolutiony was. It has been asmarked that mignant los: = men, and persons who labour under pain: - ful abscepes buguently escape this fiver Even in the most exposed fituations. The Stimulus of distintion in the first hastand to of pain in the latter, protect the System

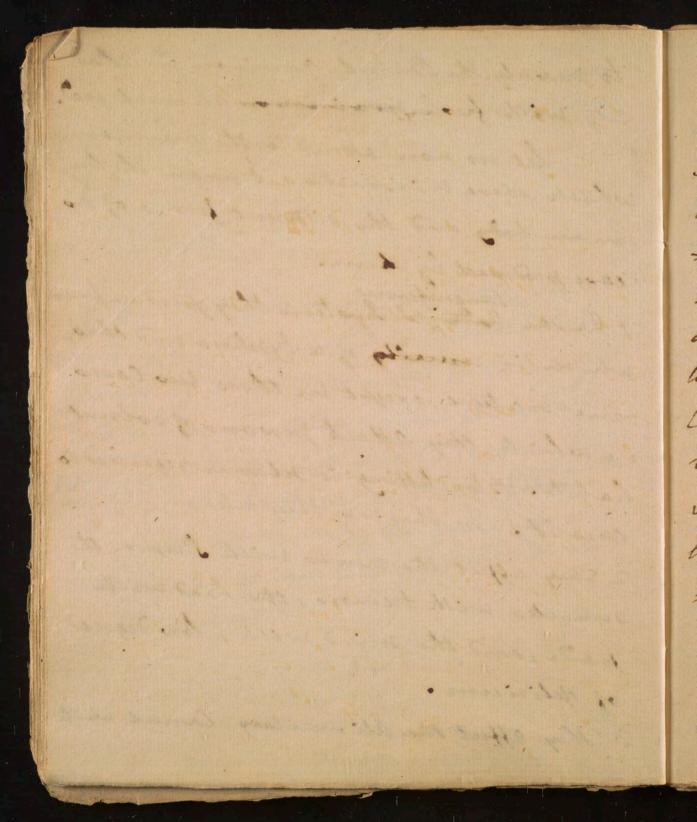


from infection. after particition, or the Opening of the abscept, the Jamie persons are often affected with this fever. & Dynepion of mind ever only generates this fever from human minsmata, but predio: = pour to it from all its Other Causes. 10 I have hitherto tooher only of the mor. - bid effects of the miasmata emitted from human bodies, but many animals under Circumstances of Confinement & bad dit, emit eniasmata which produce disease. Care instance of it is mentioned by In Teveryce as having accurred on board of a Ship in which a number of theeps and hogo were sent from quat Britain in the year 1778 to rue your in order

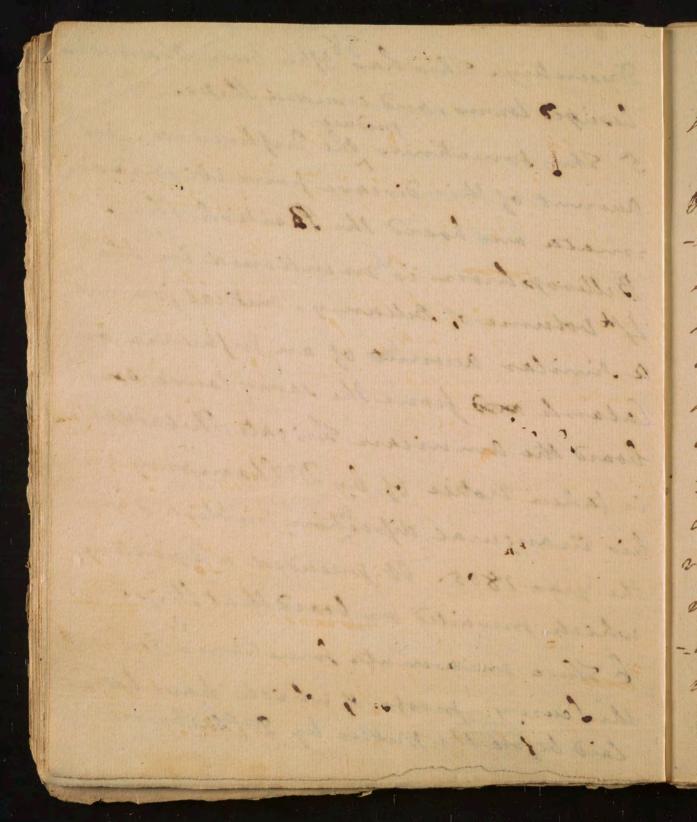
In they are seldown communicated me further than tem feet from persons infetts with the fever.

Inviously Worne down by Jabisme. or bud provisions,) they required Backdwine to come it, it would not be und without one or two bludings in the left fatigues and better fed officers of the army, or of the well fed Citisens that caught the discount by being capous to it.

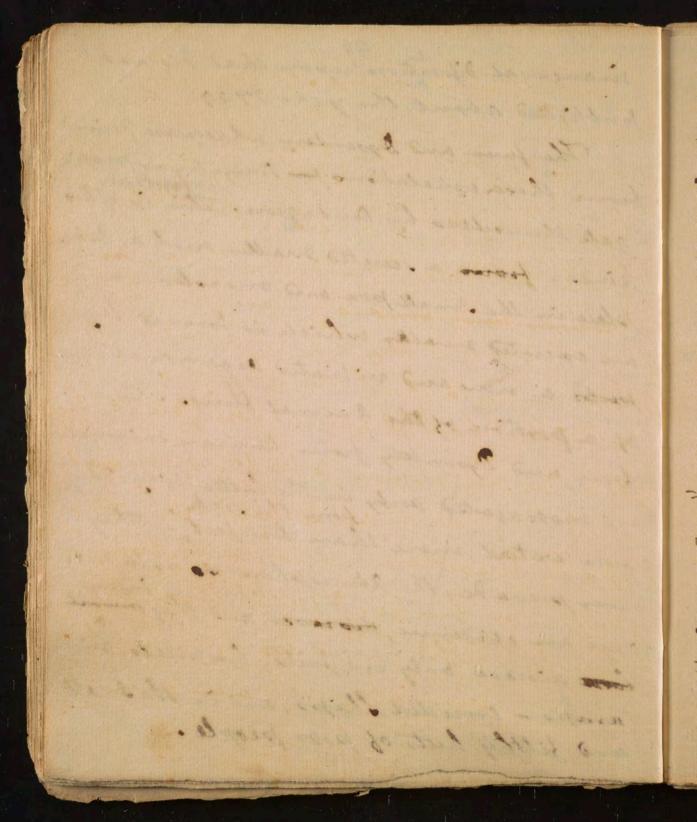
to supply the British gamison in that city with fush pourisioner animal food. Let us now attend to the manner in which these eninomata act upon the hu. = man body and the different forms of dis= = case produced by them. I he the Battered Lystern they produce fever which is usually of a typhus and thro: - mie erature, except in those few Cases in which they attack promous of robust habits. He tordetting is seldown required to cure it I In this way they acted in the son 2 They affect the viewes with Striper, the gruscles with tremors, the head with pain, and the mind with a low digree of delirieum. 3 They affect the alimentary Canal with



Dysenting. This has often been Observed in besiged towns, and crouded Ships. 5 This Sumetimes the Dufhrence. an amount of this discuse four idiomies: = mater on hourd the British Ships Bellerophron is mentioned in the 4th volume of Bellamys midical journal. a Similar ausunt of an Influence on Catanh wish from the same Cause on board the american Frigate Philadelphia is taken notice of by De Champmey in his inaugural differtion published in the year 2805. It precided a Dypentery which prevailed on board that Ships. 6 These emissimates bometimes induce the Sourcy - moots of which have been laid before the public by Defleriborere in



irangusal dipertion upon that discuse published about the year 1799. The form and Dysentery which are derived from these exhalations for hourtimes propa -gate themselves by Contagion. It is of his hinds - feros a secretio matter much as takes place in the Imall pose and mensles - and an exercited matter which is formed by puts a new and vitiated organization of a postion of the Animal Shinds. The June and Dysenting from human missmatu are propagated and in the latter way. They ower extend more than ten feet, they ower permade the atmosphere so as to pro-- dues an epidemie, this wases, and they bewait the disease only in Juils, hospitals, prisons Carings - cross ded Ships, and in the Sonall and filthy hets of poor people.



That there is wothing Specific in the malters which thus produce four Depenting I infer from this evet moducing uniformly the same from of disease. Thus The exentions from a palient in fruer andness a Disentry in another pesson and vice vesse. In person prodisposed to Dioceses are excited by them when they art upon persons predisposed to those other discuses. V Thing have I printed out all the dis-- I was which yopens to be the Offspring of Idiomasmatie exhalations, whether frage derived from the hing bothis of men or butes. Druitabell supposes them to be the dame soo as worshow Thomomiusmata, and has given to bothe the name of Systom to which he

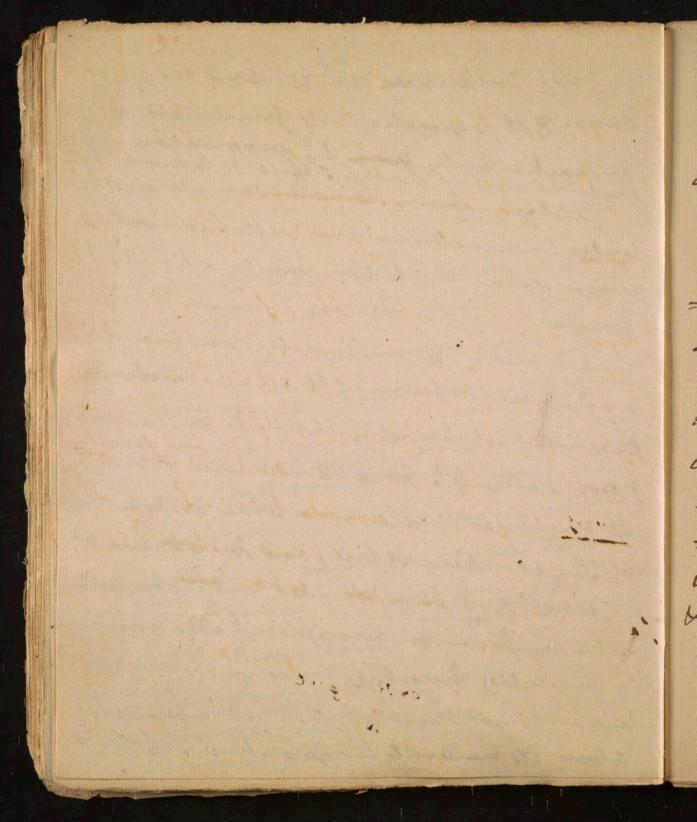
the state of the s and the same of th and the second s ment is seemed to the Court interest to the most wind the same of the sa the there where they say the terminance. the water process to the same interest to the A STATE OF THE PARTY OF THE PAR V 6. The prostions of the brain, and verves and tometimes of the omiseles are much impaired. A STATE OF THE PARTY OF THE PAR and the same of th

Assibes qualities of an and nature. J Connot apent to this opinion while I revollet the immense difference between the hospital from (of which I survenue theris and instances Din the military hospitals of the United tates during the zero-- Entionary war), and the yellow James which has to Often Waspeared in over lite siene the year 1793. The pure from Himismoth Differs from the five from Thorno milesma - the in the following particulars. 1st promises chuled by warm who chiefly in Cost and looked weather 2 It affects persons of debilitated habits chiefly, 3 It is seldom attended with a Discharge of biles even with a dick Umuch. 4 Its exmission ellow above a tryphoid action, of It

the synonomes of Juil, hospital, camps & this puer.

V functions of the Bruin theres & muscles are much less impaired in it, Stran in an Idiomeasmatic June & It The generally terminates toother et aprens Its form of a Remillent in 3.5.7.9, or 11. Days . But was there it apunes a Chronis form and Continues 15-20 d 36 days & It is enver contagions except when it assumes a Chronic form of Itis destroyed by heavy sains gand frost. 10. It is known by the hames of bilions fever gellow Jever-Remitting & intermitting fever, and anterment fives.

as wally Continues -10 - 15 - and over 30 Days. 8 It propagates itself from its executions chetil by warmen hours with 10. It is known by t under aircumstances and with signs with revene of those which have been mentioned. Ilt Iswails Chiefly in the the Jumes & Autum. eral months, & in Chinates uniformly warm at all Seasons & It att who traducts persons of robust habits chiefly It for the emost and vouniting person end ends? It is attended with tichness. of discharges of bile , or a total blustruction of the exerction of till, and Sometimes of its seextion 4 It is attended with obrisous internificus or runipious. The pube is generally hymochers fortis or writes. or tophoid, and the heat of the thin factly above its natural timperatures. 6 The



while I thus maintain this unashable difference between the fiver, from lloing, Who emissenste exhalations, I admit the former tentometimes act who upon the body while it is impreg: = nated with the latter, and thus produce a Kind fiver with a yellow Skin and Iwoul Other bilious Synsptoms. Degronsoe in his treatise upon the Diseases of the British army, and Lempsione in his ausunt of the diseases of Sansaille describe this and mongret journ of doubte finer. Sailors Who arrive in the west Indies in Stage crowded by Sichly Ships and by the apparent health, but whose bodies are impregnated with human miasenata, ere often affected with it.
This heterogeniones fives is sometimes Inopagated by the Contagion of excution

Maria Committee of the second V. J. hall now add that reason and experience are equally competent to prevent all the diseases from human or idio miasmatic exhu - lations. The United flates of america base furnished a thicking proof that the universal preva. - lence of __ p 47. a six a market a man a market a mine

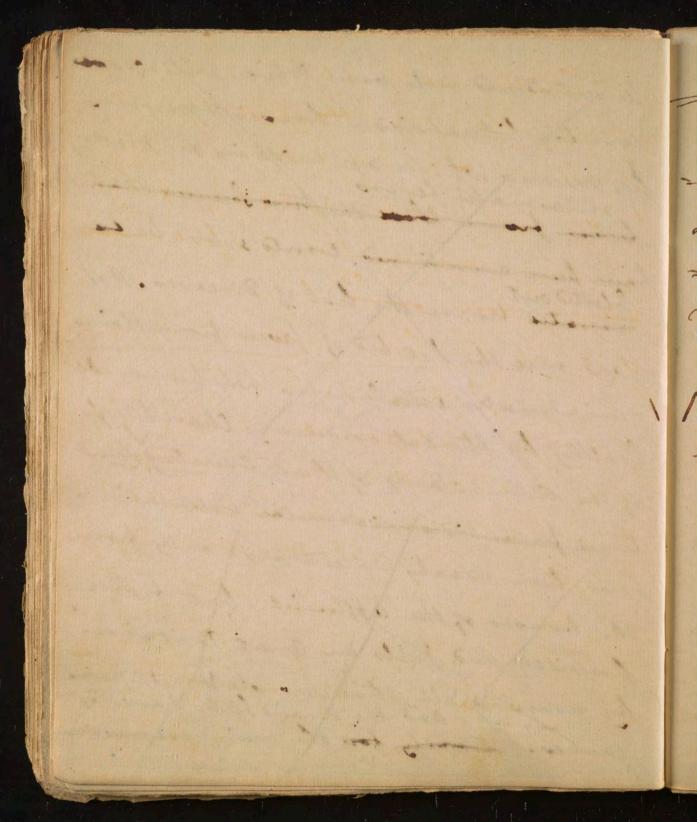
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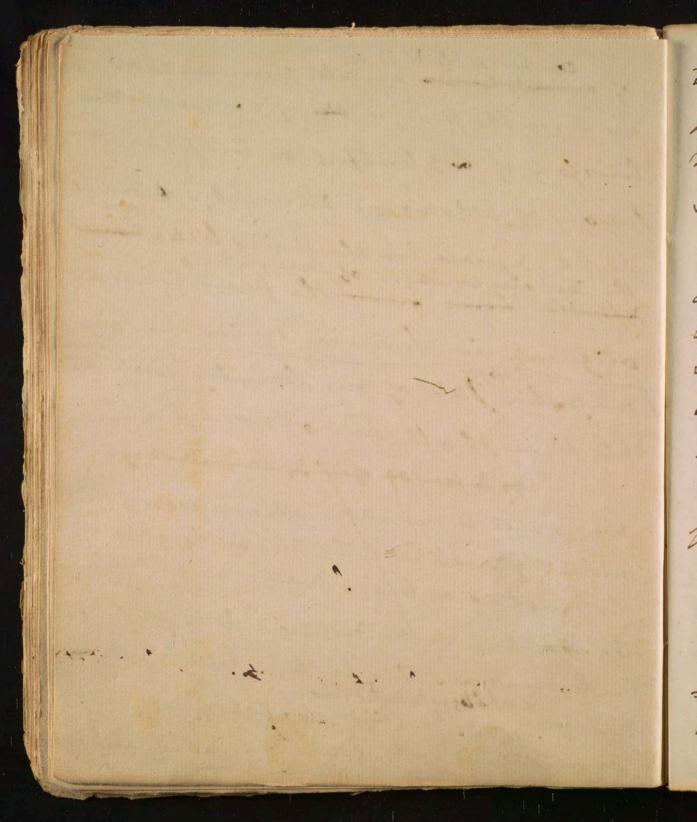
and hence has arisen the error of the contac = gious rep of the yellow fever in the less hadies. I said formerly that no Climate however Cold or hot is musparily unhealthy when the extremes of the weather are opposed by Initable drepes, and Other ausmined ations have which reason and experience bustingusted to obviate this painful and morbis effects
upon the body. He saws thing maybe seid of Courities and places that are un-= healthy from Koino Williaminsonativ cihalations. Hould the superstitions belig in the exclusive origins of fivers from Those two Sources by harrished from medicine, & uniformal Generalines

Vans the united flates have & purished a proof that the Minusal puralene =

lei introdució into our cities, villages country lituations - homocof persons by menns which are within our power, miasmatic fevers that South out from the list of Discusses. Hole - land once the for bed of from from llyino : = miasanatip exhalabores has humanube healthy by the entraordinary Chan lines of the tishabitants of that Country, Land finers pur didiomins mater villalations have been musty priver and only from the houses of the afflicent, but from hospitals and fails in great Britain by running all this remote thoutispoons

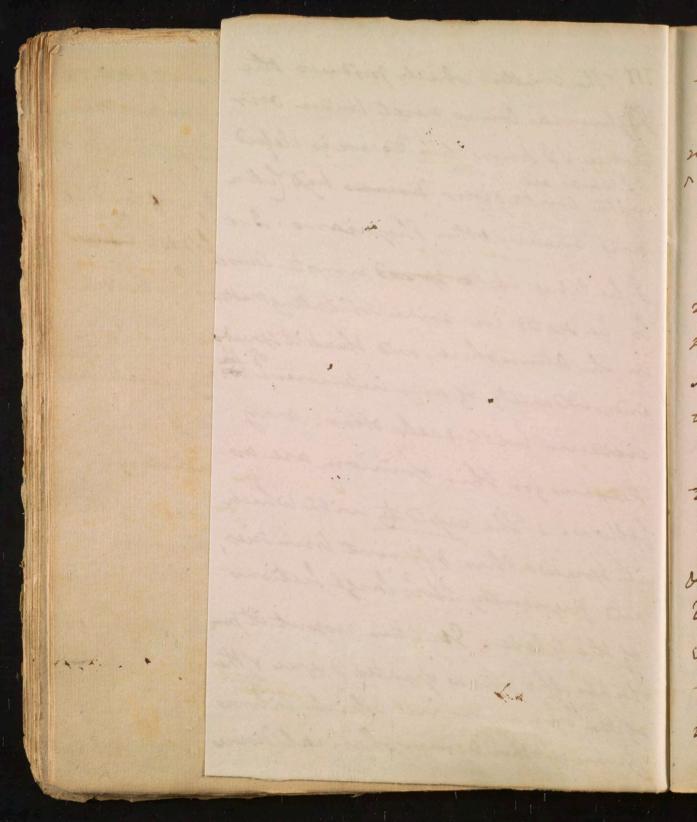


- of as Inofficerous ample aurmany ations even for the poor, in the of Downster Clean. - hirefo, - of plantiful or Competent Justoly of wholsome aliment, - of Content: the Certain means of presenting which originate in human briasonata. Towny this Jate of our Country Continue till time thall be no more I go to p: 109 of 20 3 - one grath dayy. we know to mention other formers of the unhealthy qualities of the atmosphere from the mistage of Johign matters withit They are 711. ain the engles discharged from the lungs in Respiration This has been called a rote of entrogen by the Chamists. When confined, or undiluted with common airit modules

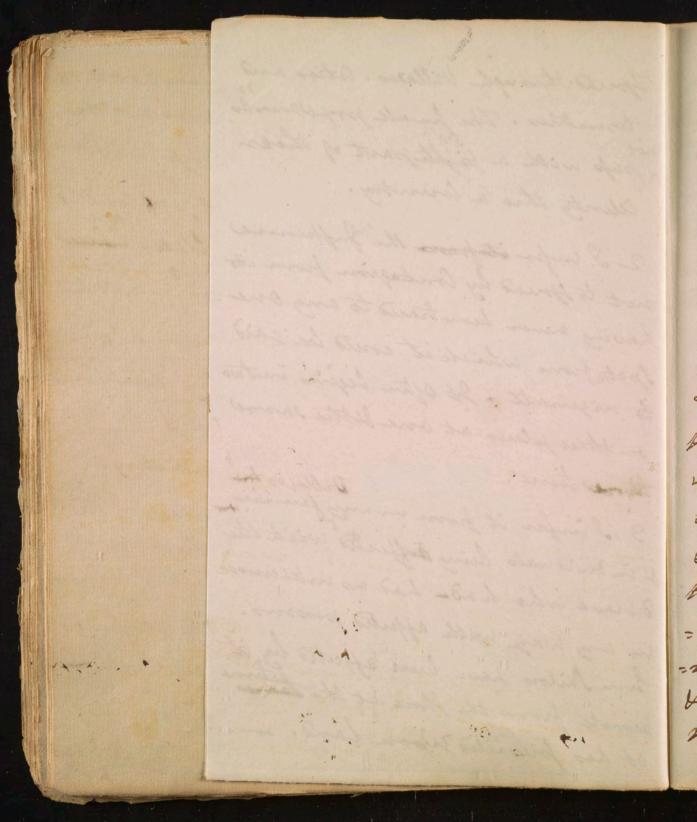


III The matter which produces the Influenza Comes next linder our notice. I know this discase is classed with contragions, discuss lightfullen and many other Physians. But I be live its to the remote Cause to be senter in some initating matter in the atmosphere, and that it spreads independently of any interessed to citizens with each other. my Rusons for this opsinion are as bollon. I The rupidity with which it yours than different brunties, and frequently thrir large lections of the Globe. It this enjout it pur - tu has, this in a quater Degree of the of the money in which bilines frum & other Atensopherical discuss

all heard on the Doubtes of Inglish. mall room Dotales us of doubt thruselus the house in the Debate, hing with your dix farmards. tracted long erised chiefly being oven hogisticated et go into

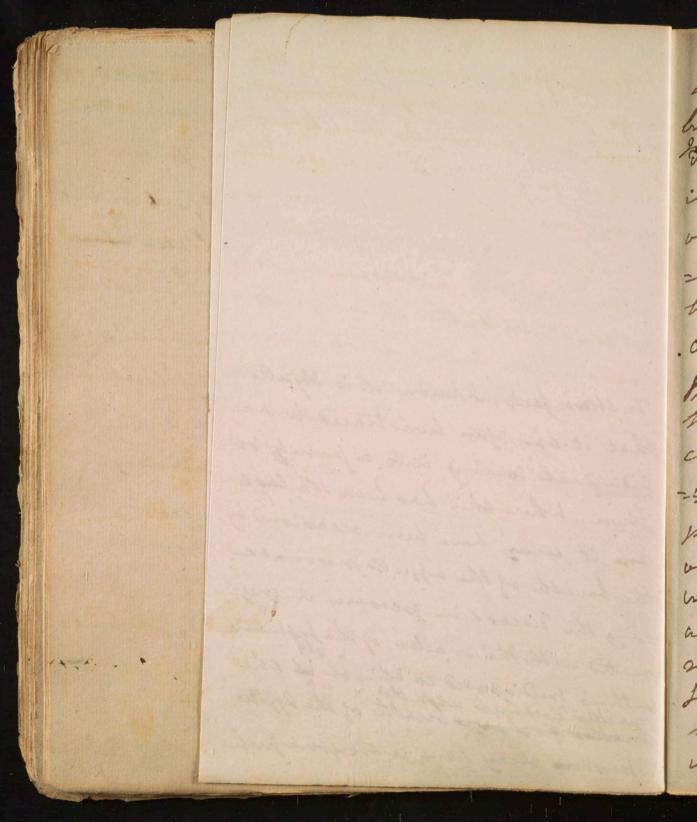


all heard on Typula through Villages, Cities and the Doubtes Countries. The finale port of mentes of Snehishnot up with a fifthe part of theen wall room Celenty this a Country. Detales 2 I infor it from the Jufhenne not to yours by Contagion from its u of douth howing over hun trans to any one thruselus the house is the debate, hing with Spot from which it could be said to originate. It often begins in two on three places at one Ithe same your dix 3 - Singer it from many families. Vindriduals being affects with the yterwards. tracted long wired chiefly Disense who had had no intercomose in any way with affected pessours. being oven En Pailos have hun affected by it hogisticated senote from the Phone at the time t go into it has privailed Export Land. -



To these facts, I know it is Objutto that it has often hun traced to an individual coming into a family or timen. Where this has been the Chol, In it may have been occasioned by the bruth of the affects persons ex-= ting the discase in persons imprez= = notes with the matter of the following I thus malisposed to it - or it the matter discharges with the of the affects persons may have undergone freh

all heard on the Doubta of Snehishmall room D'Hales u of douth thruselues the house in with with your dis farmards. tracted long erived chiefly being oven hogis bicatio t go into



a Rhange from a discuss plate of the all heard on loves, or from the brug direction of the Influence to produce the same Offection the Doubtes of English. in one or enne members of a family mall room or nighbrushood. The glanders cer. D'Hales strinks upon by Contagion among horses, but it is only when they travel, us of doubt . Or are Stabled together. They armes thruselus the house is ate Debate, hing with fores in an improuptable manner this a mightonshood. a Circumstance contributes to evader this Discase Conta. your dis -gives in horses that Does not take farmards. plan in the human Speries they buthe tracted long only this this wases in Consequence of which more inflammation is caritio, be erised chiefly a more aisis analter is sureted by the Though in the Influence in men; airig memberane of the rose of this so airis being oven Jonetims as to work affect or in the hogisticated bones of the crose, or 3 the cross et go into in which the discuse has been supposed

on point the buy making of the refusion to prove the some ship time 1 anifilmenters. The Minister use 4 trucky then by but spine since 1 House in his improveptable in 0 a soutile to Emper this Dis 400 ejave in love that Day Hering. th h 19 we of the need, or 9" this care a

to have yours from Contagiononey all heard on be from auxountal Coincidence shuh 1 the Doubtes as often takes place in intermitting of Snelish. & historio from & opthalmin . op I shall mall room Leventer mention instances of whole Jamilies living apputes by baby- Epiz Diffales - apong - and wen fore legs, and surely no ne of doubt lene will say any of three Discuses thruselues are grap agate by Contagion. the house) in ate debate, hing with Agains But another & a much though argument in favor of the fraidth lufty Contagion is a ling by Contagion is a formationed by the Rrown upour dix ytumards. manlay in his history of A Ilitoa, tracted lesy a small Island on the Wislem Coult wired chiefly of Scotland. He says that my time being oven a stranger visito shat Island a latarche is inhabitants shogisticated of the lobe wilkin there Days aftenous. It go into

B will say fire of spine ha carie 0 or milities in his history of It thinks all John 9 on 8th Broken Goods The same of the sa a france minion that before a lite 2 we hoperine appear all the inter. of the late william than Jayo hiphorine

This fact may be explained form by assisting to the one men. - timed by Dr. Blane - Viz: the production of from by the first intercourse of Sailors in a Ship, for by the acception of new recomits to the brew of a Ship. It is true a four is wot serited by the Visit of the Stranger to the Island of It Kilda, but a disease is produced which sometimes presides fiver, or is a Substitute for it on board of thips. The occurred in The the Philad a Fraigate, from be the latter in the British Ships Bellero. - plazon Josemesty mentioned . Take notice the Discove induced in all the two Ships & on the pland of It Hilla was dismited in its extent : It was not propagated by wither of the ot go into This to the posts or wasts they

all heard on the Doutte of Inglish. mall room Datales ne of doubt thruselus the house in the Debate, shing with apour dis afternards. tracted lesy lerined chiefly being oven phogisticated

have in a substitute from the same who diameted in the extent for If were and properties by within of his higher to the prime on supply it in

visited, &mon carelay does not all heard on mention that the atanh when 1 the Doubtes existed on the Island wer spread to of English. a) acent islands, on to the Coastog mall room D'Hales Sextland. IV. he come evon to for a few words ne of doubt spon those matters in the builtons to bis thruselus the house in the with -greates in the human body, and after mixing with the air propa -gate themselves in it, and produce wyswa dix a similar discase in other Corties. afternards. They are called perific Contagions. intracted ling They were formerly said to be very annerous. They are now very derived chiefly much limited. The hund port, a being oven the musles, the Chichin Jovy and phogisticated the Hooping longh an the only Discuss which can confidently ot go into be said to be propagated by Sperific

The her come come to you a product which the willing in the mount = in at surgery war. 2 is his surgery for in the forman habit in the a seight of the property and the seight of the in the amerated principle for The principle winds to be for our of especial to by Joursellin

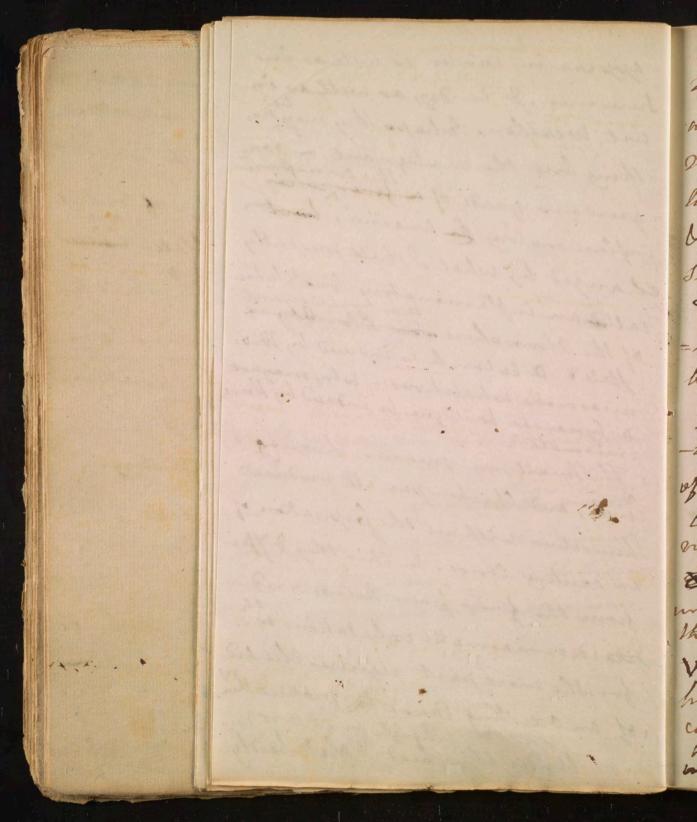
all heard on brutagion. him these have lately 1 the Doubtes hun enjoposed from some facts brought to light by the resensches of Inchish. of ma webster to originate in a mall room pulliar & morbid date of the at D'Hales = mosphere. The Cynamehr molig: -me, & Schrlitines are existently ne of doubt thruselus Alones shirical discases when they the house in ate Debate, with Great by Contagion, which they accasionally do, it is probably from the highly discuss a flates of the mysour dis organs this which the breath papes in Respiration. They proved have said hope ones they are derived from the same hopposes they are derived from the same anias mater which produce they to afternards. intracted ling derived chiefly = miasmatri puero, - if this be the coo · luing oven Those mi amonta must bie a great 12 hogisticated While in the System, on have left a Inedisposition to a disease upon the ot go into Thraut Ashin buhind them, for they

V It is perulian to these Contagious Discouse to be taken but Once in the Course of life with smeets these an exception to this remark. The matter from which the Contagion is formed appears to be a secretion.

appear in winter us well as in all heard on Summer, & in Day as well as in of the Doubtes wet weather. Perhaps they may no. - of English. - thing but the malignant, or gan--grunous grade of a formation mull room inflummatory le lingina, best Datales Changed by what I shall presently ne of fourth of the atmosphere of the atmosphere thruselus the house in ate Debate, State. a Cutumb is indued by Dio: miasmatie eshalatives - Why maynot rivate Debate, a Cynamehe kauligna be indued by Hving is hing with aniamata? The hwall jova. mosles, hvojing afternards. Lough, and Chicken pay all produce Themselves without the Corporation of intracted lay an existing Course. In this, they differ derived chiefly from the fivers from krins, and being oven Joho ideomiasmatis exhalations w? 12 hogisticated for the most part regnice the hid of an existing Canoi to produce them.

(though forwents it)

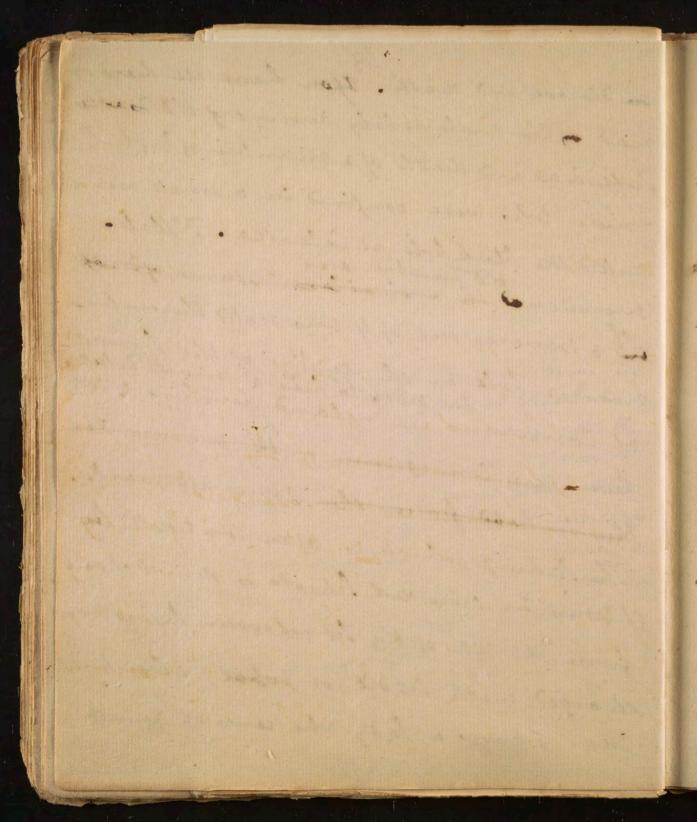
Under this head I shall basely ot go into



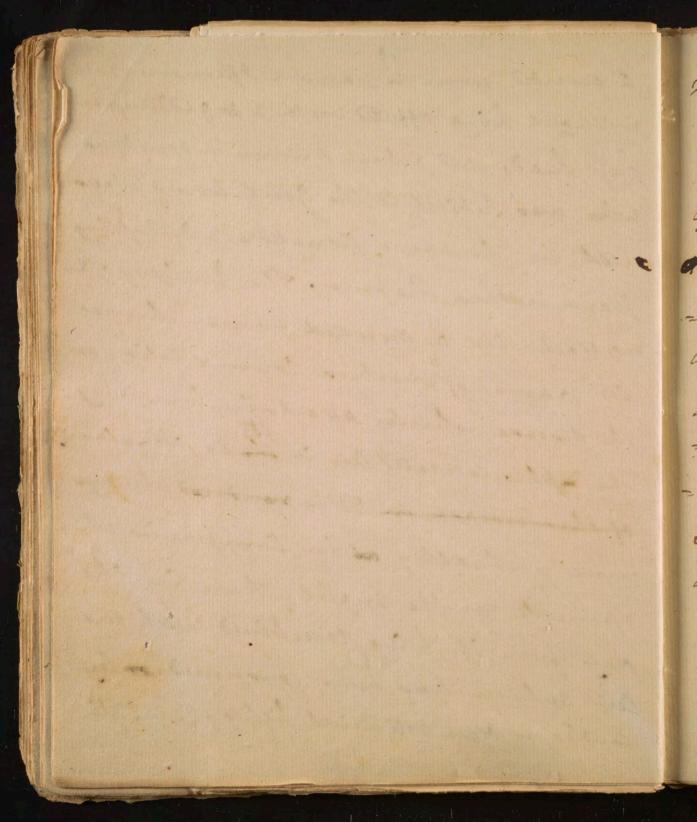
(though foreign all heard on mention those disences which are advisted propagated from Sprific of the Doubtes matters by Contact only. They are - of Soughishthe Itch, the vineral Discuse, Ringwooms small room Skin. They you as by a fixed matter. The found from The brull grow mus. nee of doubt - sheo, hooping Crugh & Chichen proxypund , thrusches by means of a Volatile pratter. The the house in att Debete, former have been called infections; winds Debete, the Catter contagions Discusses. Jours shing with of them ynead by infulion as well as inform the Contagion - to as the break pox, and afternands. whealthy qualities of the almosphere from derived chiefly the mixture of foreign walters with it. - being oven V. The Enather Discharged from the phogistication hungs in Raspiration. This has hun called Arote - listingin - by places ticates ot go into Air by the Chemists. When Confined, or moitrated with Common air it produces

the lying in hospital at Dublin 2944 died within 9 days afterthing birth. That they perished from the confined air Discharged from the confined air Discharged from the mortality being great very much befored by being great very much befored by the south after words being lefs.

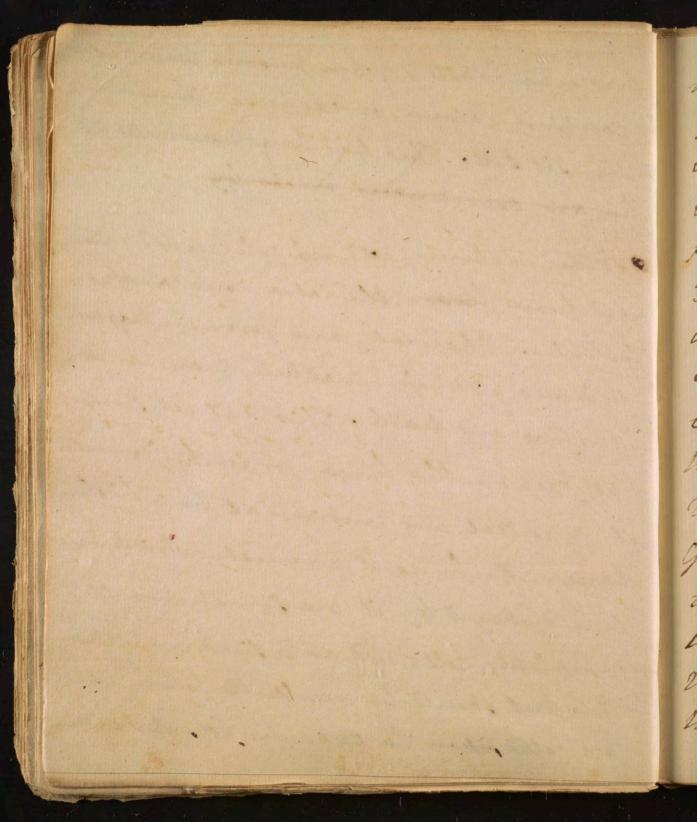
no discase and death. How have all heard on new of the enclareholy amount of the Docto Sufferings and death of a rumber of English. - men who were confined in a small room enertion & the Mach hole at Calcutta. D'Hales enertion & the similar instance of the 3 persons out of 4 who trated thruselues near a hole in the ceiling of the house in order to hear a private Debate, of Commons in England purishing with bever in Consequence of the impour his they in hat from the Jour afternands. The Sichnep which is often contracted by Children in cronded Schools is derived chiefly from the air of the School room being oven charged with azote, or probat phogisticated Otir. I know or lady who cannot go into



a crouded room to pay an afternoonerisit without being affected with a to giddiness in her head, and I have known a grullowan who was Subject to the gout who always felt in the same situation a dishessing pain in his Return. The ypilepsy often attacks in a cronded room - home its grame of Envilous Commitalis, on the disease which attacks in Company. The aphlosisticated air is the existing lause of this disease in It is andows always more unhealthy out in Companies which apenable in the right, than in the day from its being combined with the air which has been consumed in by Caroles, or Other artificial lights . It is still

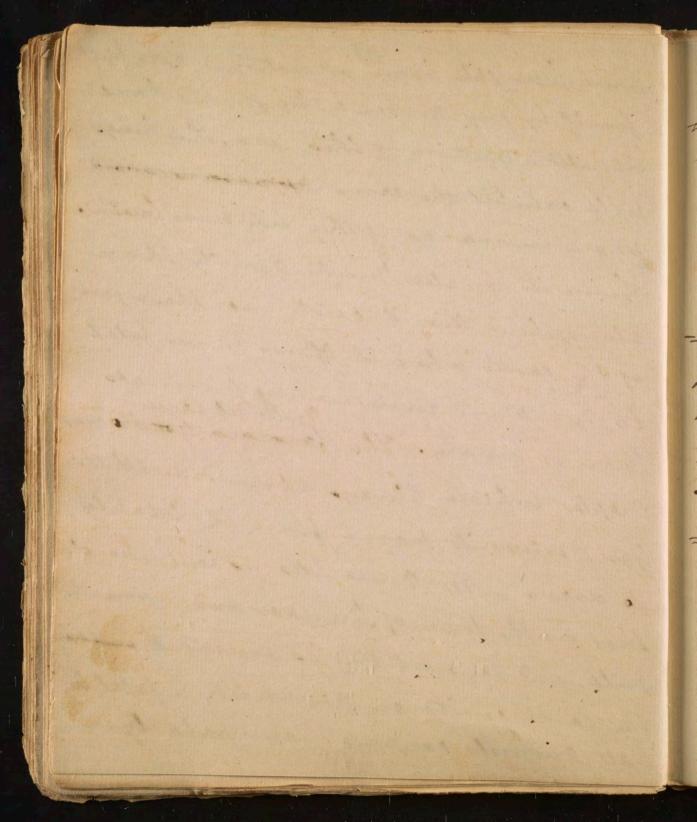


more unhealthy when persons who are confined labour cor exercise, them when they sit still. This type hery demonstrated by an experient water by avithe Carbonie acid was which is dischar. -god from lises - the Calcariones carthes, alhalics, Charwal, and firmenting bodies Indues godines, head ach, nausca, ero: = eniting and death. This and acts sperific - cally upon the brings, for in the Stormacher it is cordial and embrished in a high degree. The lungs of animals which have been Distayed by it are sometimes so completely collapsed as to tisk in water, This fact should be necollected when we are called upon to examin whether children

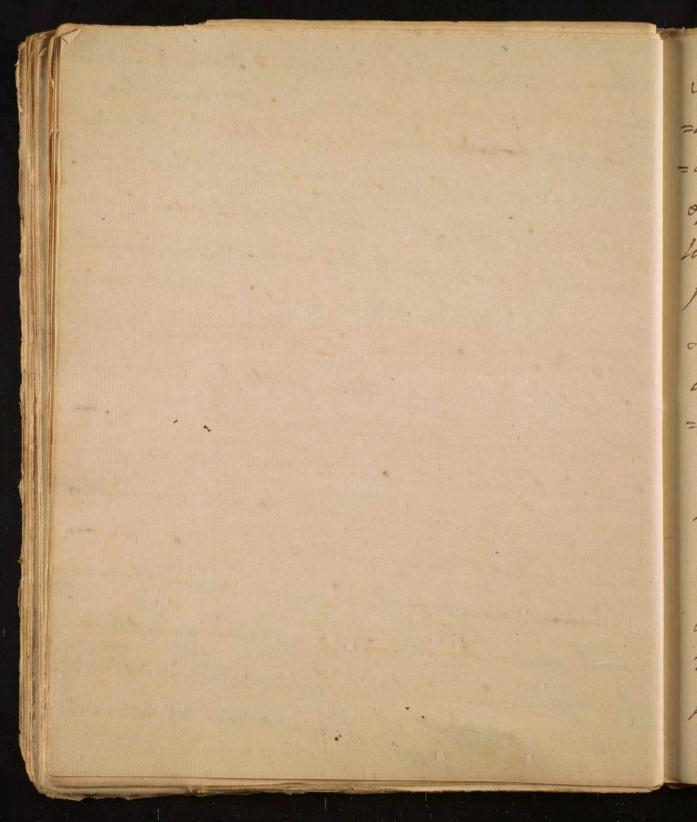


have been still bonn or distroyed after birth, for if by any amdent this should have inhall aportion of this gas, thushings will exhibit the same apparants and phonomena as if they had some butted. From its quater Sperific gravity than atmospherie air it exists mar the Surface of the carthe where it Oftener moves fatul to dumb and ruminating arrivals

than to man. The farming aposts man Craples which always abounds withthis gas derives its crame from its fatality to dogs. - mrBruer titls us in his trovels. that in the town of Surraar and upon the Ville, and Deveral eniles around it in the the carth cruits an air which is fatal to all animals except to man probably



busine he is not obliged to sloops to receive his nourishment from it. emBrue lost his gry books hounds, and all his mules a fru weeks after he arrived at this lown. They died he says without discovering any outward marks of cliscase. The Uniwhol-- some nels of the air is confined to the rainy feasure. as soon as it comes on the inhabitants same their callle by drivings them to some distance from the lown . to The Loil which emils this air is un: = commenty formerable to the growthy nice, wheat and millet, but no bree on flower, except the amour, will flower, will grow in it. It is were overflowed by the will. When liviviated it affords a sood deal of Salt, the waters of which



is not mentioned by morpour. In walk ing over it he titts us he perceived puch - ling pains in his legs. There is a portion of earth man the Scioto Settlement on the Ohio river which popepes and the properties ascribed by mr Bruce to the Soil of Serman. It moves fatal to dun, it killed. and in and enstance to two puppies below, = ing to a mor Jegrain who wisited it: Vijllydrogen Jas sometimes mixes with the air to as to become the curioc of disease and death. It Tuanhlin was affected with on intermitting four in Consequence of inhaling the a portion of this air which was discharged forms by the agitating a poul of fluguating water. Theolboard to It now & their suddenly distroys life in Sublimanions

V Kigh walls motest from it, and heavy rains distroy it.

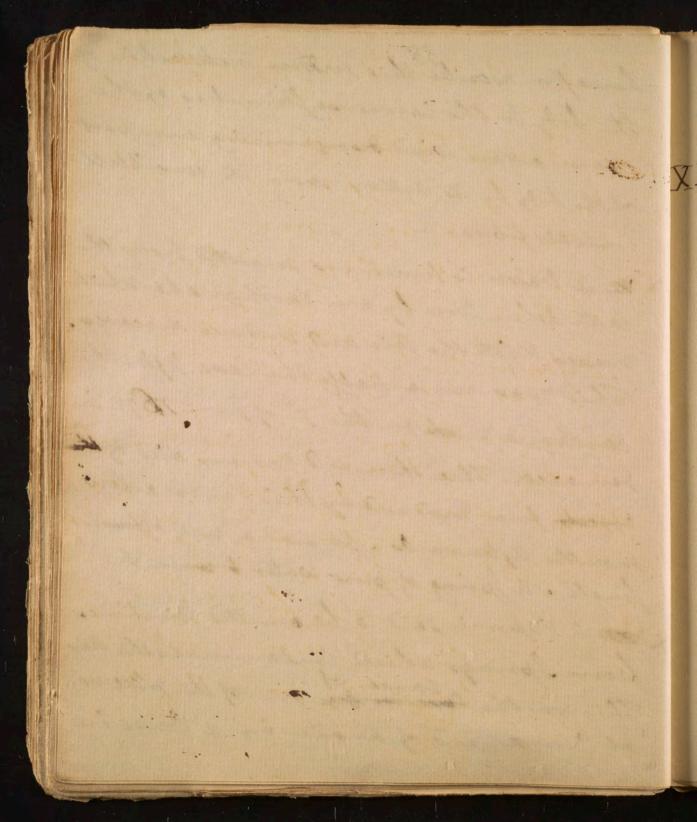
Caverno ofnines, in which places it is called Chonk damyo. VIII there is a wind known in the Eastern Countries by the name of Harmuttan or Parricon which sometimes moves hillen - by fatal to man and other animals. How. lage beds of Bitumen which about with the Suppherie acid, are which the heat of the wolatilires and which by evising from sets at liberty, and which by evising with the air imparts to it its deleterious quality. & Its fatul effects are avoided only by falling with the face upon the ground? Persons who are destroyed by it formation a few hours. In putrid ferment in this Case is introduced into the body, for this and is of an antisceptie nature. I shall

Language and the second second V Kentucke emitted a Sulphusic Jotor wh after an certhquake in the year 1811 Which was distinctly perceived 150 yards off for some time after it. In a thick Seltled country it w? mobably have Jowhund discuse. The second secon

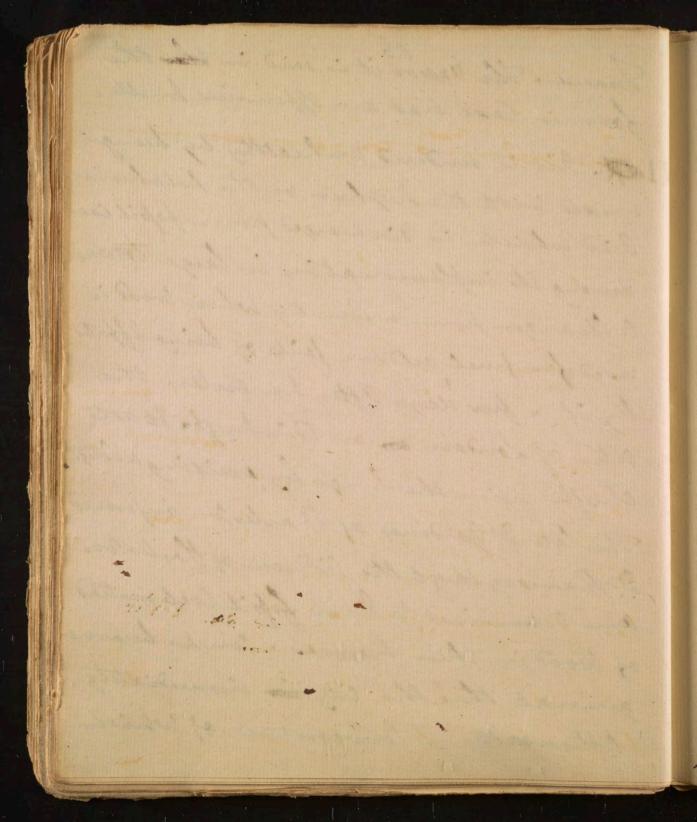
the state of the s

CARL CONTRACT LINE CONTRACT OF THE CARLON OF

hereafter avorible this suffer puttefaction of the body to the invenerse stimulus of the Hamaltan wind Disorganizing every part of the body by its action upon its unsible & initatele fibres. -IX to a basion is sometimes emitted from the easth when town by an earthquake which mixes with the air and produces discases. This was remarkably the Case after the continguale was on the 7th of Inne 1892 in Jamaica. Three thousand pessons died of the effects fever modined by this Vasson a few months afterwards. It had a very offeresive finell. a spring of pure water to as in V X rate a Vapor is said to be emitted formetimes from Springs which Contaminates the Dis. This was the comme of the plagues at Viena, and of another in a town in



France. The Vapor it is enid in the the. former Case had an Offensive Smell. XICA- air is undered unhealthy by being mided with the helphur or the helphurie and which is discharged from fopil Coal during its inflammation in large towns. a Stranger from a Country where brown is now for finel, redown fails of being affected by it a few days after he enters the Cities of Lowdon on or Windrugh . It acts chiefly upon the hings by existing a lough. The late De gardines of Charleston informed De Ramsay that the Citizens of Charleston ance determined to arm Josil Cool instead of wood in this houses. Coughs burne general this the city in immediately afterwards in Consequence of which

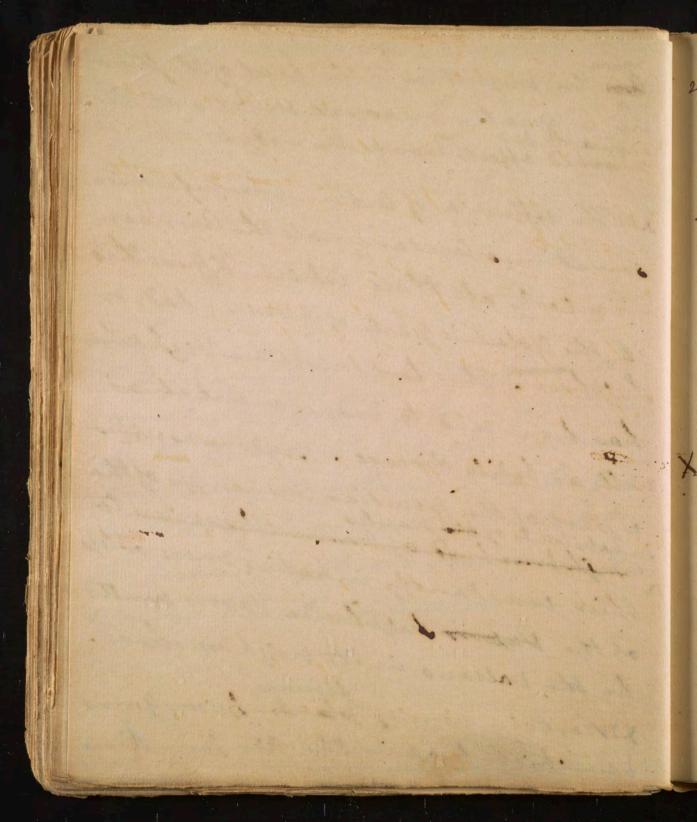


the live of hord was restored in all this Sire places. —
The live of a fillown in which have or load

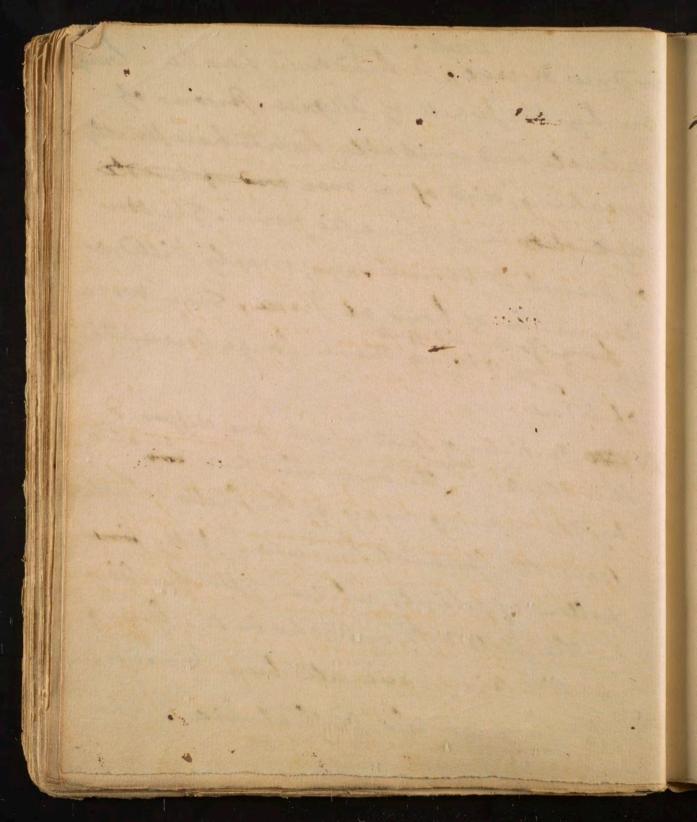
XII the of the sire of a close flow is Often un. - healthy. It indues hear ach in Some prople, and great languer upon others. - Feron the same effects and being indued in room heated by a brick or China Howe it has heen Improved that the alights upon alights upon affects breath or perspisation after the the flow and is consumed byit, and have its unpleasant, or unhealthy enter. Others ascribe these effects to the heat of the this moduling a gratering two smuch dryness this latter opinhon in the air. What enables this probable is, that placing to refer of water upon the Hove which throws off Vogsor into the

V & fine provider is emilled for the grinding of Gypsenn which is inhaled by the bungs, where it often produces prelmonary complaints. The Floating particles of flour create a Cough has The fryenerry of that discuss among millus in all Countries.

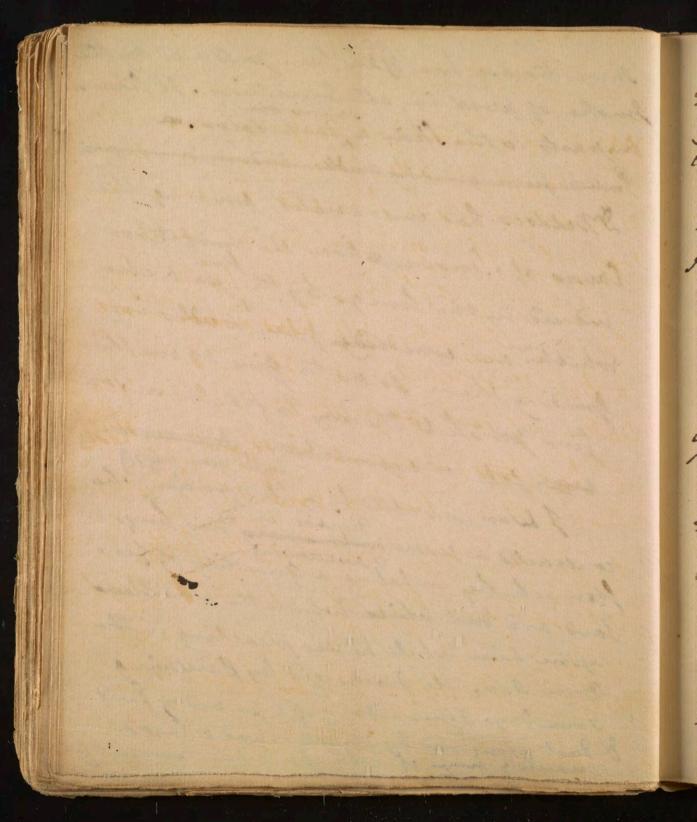
in proportion to the heat of the flower, Disagneable & feets upon the body. XIII The effluria of Certain enumefactories sometimes Contaminate lts air, Isar. - bienlarly all those which Diffresethio it the volutile parts of Awenie, lad, on Julphur. The last bubstance Viz Sulphun has been said to induce mental as well as bodily discuse. Brysome as eviles on part of the pendias withedrups of the inhabitants of the maples of th This courstantly inhading more orless of the Vapor Sulphuise Vapors emitted by the valcano in its mighbourhood. XIV Certain aron of Johnsto - Spices- gums He which float in the air Sometimes



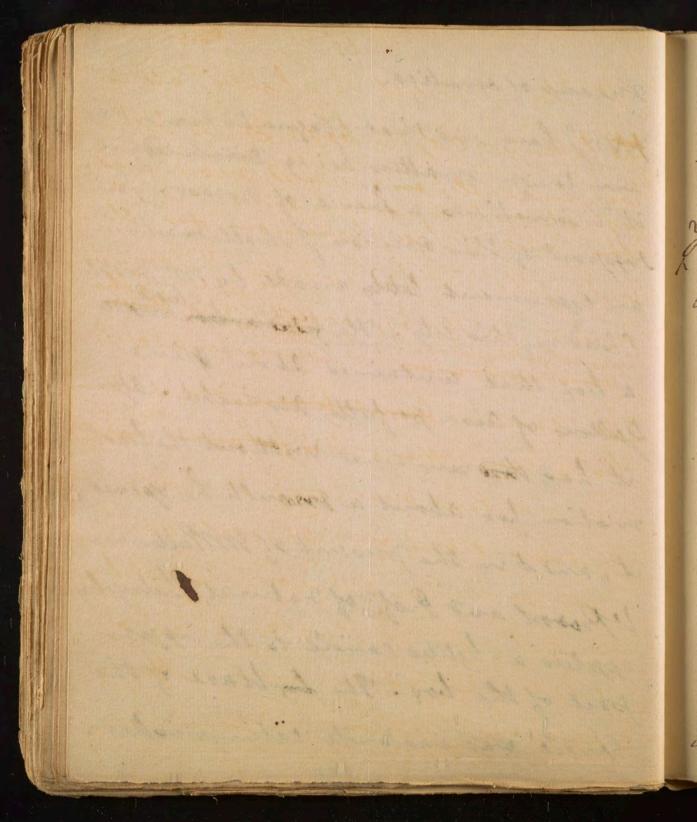
indru discase a a hind ach has been brusty on by the fruit of allopice. Persons of delicate and issitable habits have thrietly . speaking, died of a rose was of truste of tiolets in aromatic pain. The Hon of napel Dr Viridet says nearly killed a municipality of boys at Sura, They were from its mortis essents large Generalities of wine. IV Particles of land which are differed evented in Egypti dust which is to by the wearing away of the Shells which pane the Shoets at Jurinam, It the fine pollen of plants which fills the air in the plate of hentische in the Spring of the Dir, have all been known to produce the optiahuria. The



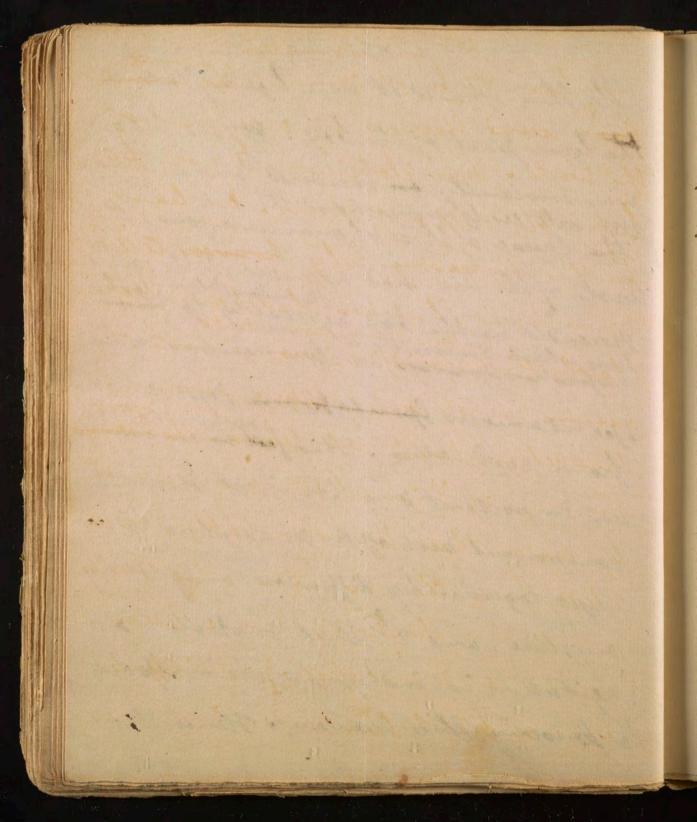
Same discuse has often been produced by the Inohe of wood in all Countries. It likewise imparts to the Shin a Dark Colon. Protietes from your your on my ander induce Com, on foting Deddoes has emerceated among the Course of Consumptions the instation indued in the burgs by the particles which are enritted from hubbes in prinding them so as to give the unthin fine polish to thereby to fit them for John fall or exportation, ## 1800 ho I have were produced in the year 1800 ho contracted a swere produced in his hings to formallowing his hine flower by in haling a quantity of fine flower had and mat I him a quantity of fine Jano and dust which the wind bleve regions him while he was preaching in the Open Dir. The discharged by Boughing Jame Days afterwards 4 of a pound of Jand Obest comented by mices, and a large grantity from of both from his Howach by



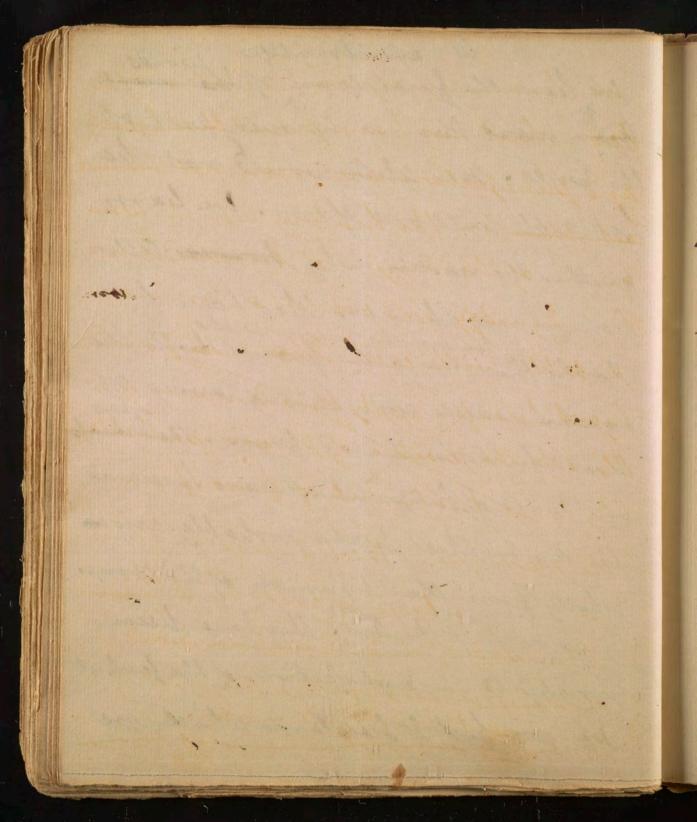
means of ametics. XVI I have said that Stagnatur ain without my foreign meathers being combined with it is sometimes a source of discase. For support of this opinion of shall mention an experiment lately arrable by ma Joseph Cloud ing this city. He filled with more a box that contained about prine Gallous of air - perfectly air tight. after it had there remained without the least motion for about a smouth he opened it, and I in the mesente of maltenon Uporost and Profe of natural Philosophy applied a lighted camble to the upper part of the box. The to blure of the landle was instantly catinguished.



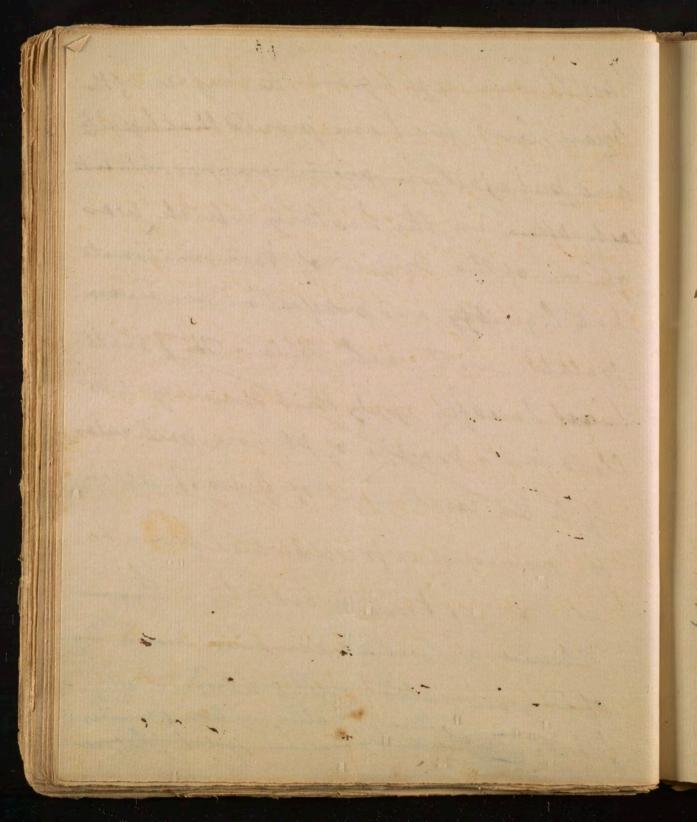
He then applied it in a lighted flate to the lower part of the box. It The blace was instantly an residered more visit your will easily comprehend the face of these phenomena, box the arote of the air that ascended, If its oxygen the natural that the box agreeably to their laws which govern them, consequences of their expections in consequences of their Sportaneous Sportations Superations from each Other. This fat is an in un important one for 1: it moves the component parts of the atmosphere to be kept together by diffusion, and hot by mixture, and 2 that motion agitation is indispensably necessary to preserve this Union. Here then



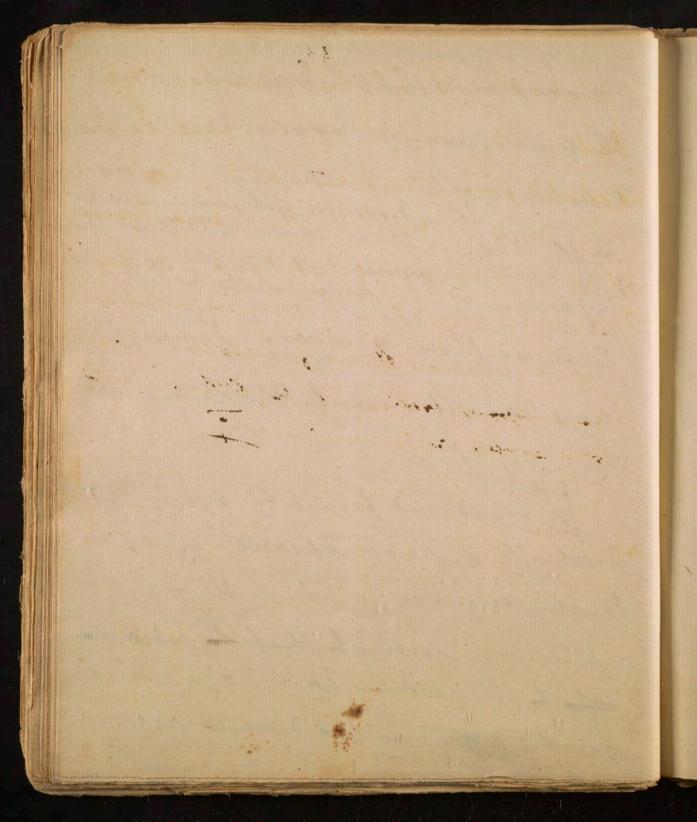
we leave the final cause of the luments him his storms in every part of the world. Our globe words not be habitable with out them. he larn Justher the reason why houses tellen, houses and Churches that have been Weeks, Works both the Closely that up often burne both the head ach, latarsh and fivers. The Sisteres on board of Shijos which are becalmed for two or three weeks, mobably arises I holly from the chisumian of the Compo-- hent parts of the air. They have been ascribed to the protespection of the secularit parts of fish & Suplants which we



are thrown up upon the Surface of the Duan, but her have proved that liquidity and pretrefuctions are incompatible with cach office in the history which was given of the Origin of Rossoveniasmata that ligerity and putafaction are incom. - patable with each Other . The I shall beat hereafter apply this Discovery of me Cloud to the practice of physic, particular - by to the trentment of finess. I again the prevalence of postibulial fures has les always been marker by a stagnition about of him. ar sine aura" Wind. The was so in the great plugue



of instances in our next lecture. 88 in Lordon in 16656, Vit was to in the yellow fever of 1793 in Philad: The Discussion of the Component particles
The discussion of the Component parts
of the air in these cases added too the
hyino=
influence of the insumatta which Indrued those discuses. - Puhaps in love Cases it may be the cachesine Cause of them. If mentioned formuly report the authority of Boron Wasbolt - a place in Touth america in which wind is un - known insommela that the Indiana who he inhabitants have not a home for it; o yet no bod discuses are



produced by it. In this cares habitsmust Dustroy its envolved effects, or the Vapor exhaled from the waters of the two vives Vio Osomshe, or black river way deprive it of its receious qualities. - Or profilly the Baron may have been misinformed, to and there may be no formation for the supports fact what he believed and prograted communicated of

V Drygenham ascribed it to a mineral exhalation from the bowels of the earth.

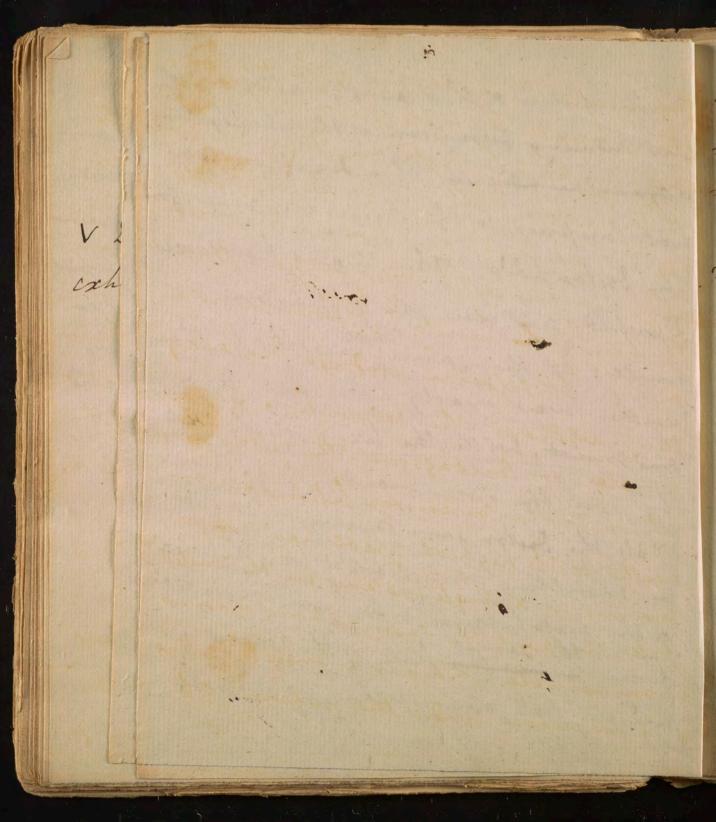
Hippowater , Lydenham & many other writers have Often mention in their works a certain quality in the Air which they have all called an inflammatory on malignant Constitution of the atmosphere. It has been ascribed to a fresporational of oxygen in the air by somephysicians but this is Dunid by the Chemisto Who Jay the proportion of drayen in the airis the same in all countries d'in all places. Others have ascribed to has the air bring overcharged with chetrical matter, but of This we have no proofs. Monverigno: - runt we may he of its two or nature, of the matter which thus imparts to

V B caho

the air a disposition to render discuses unusually inflammatory on matignant, Znost physicians, about that all animals, and begetables, nayall na_ - tree hear testimony to the certainty of its existence. I shall mention the proofs of this apertion in the countring part of our history of the laws of Exidences. at present it will only be newpary to remark that this inflamitous titution of the air exists independently of its sensible qualities, and of course in all kinds of weather. Of this grangham mentions The following instances. In August 1739 a great languer opported many body" - from what land? probably from

V & 2 cxh

the Stimulus of this latent walles in the Air induing Dysnipion of the whole System. bagain he all, the This Deprepion was to not compined to the human Spains, for the Doctor adds " the linging birds were ? depreped, and ever the grap hopper was mute. at the same, tays the Do the weather was marly as usual, Amol, and moist, with the wind fouth wester = by In the same month of Angust 1734 the Doctor says many birds died in montting, and searchy was the noises of the grap hopper to be heard" probably the same the same that of the atmosphere which took place in the year 1739.



This inflam Constitution of the Dir tome -times pervades the whole globe, but it is oftener confined to high countries, Cities & towns. Iron & there it sums like cold, rain, hail how and flowers to appear in What are called brins or in aftipo of country. & limited by mountains or ives. It seldom protrus discused itself without the cooperation of mins = mata, or Contagion. The yellow fever which is the common bilins furer exalted to its highest grade, has not been Inoduced in a ringle instance in the United flates without the Consciation of koino. = minomata. This is a most consoling Consideration under the prepure of

V motured by them, compared with the sensible greatities of the this particularly its Changes from heat to Cold, and from Cold to heat. Two reasons may begins for this . I . The great aptitude of the body to anomandate itself to any fituation. And 2'y the great and prompt disposition of the air to releve itself of all extraverus or foreign Inatters. of this, the Jollowing fact furnishes a Shiping proof. at the Lutinines in bertland, the air is an much impregnated with a poisoner, effluria from the leaders, that birds which fly own news them instantly ball dead on every day of the week except Sunday on which day the labourers conse to work, and the air recovers its hatural purity and healthings. We may been an important lepon from the surany of the facts that have been men-tioned in the history of the morbid effects of the air, and that is, that the secrete landers of advacased I seldom produce a discour without the

pestilential discuses. The inflame, or malignant Constitution it is true, care -not be removed, nor changed by any mans in our power, but the corporating and miting eniasmata, may be emoved which are produced by their, he prevented. The force and Danger of were contagiones discares thay be appear triing the prevalence of this influer: Constitutions of the atwestohere by a greater Degree of Dystition than W! be proper or newpary if the those Discuss Depended on Contagion only, without the additional Stimulus of the inflame matter after all that has been taid of the in the air. unhealthy impregnations of the atomsphere, It is agricultie to Observe how moust fine discuses comparatively speaking, are

aid of an existing cause, and that both of their may be avoided by produce and care, so as to prevent the formation of tro-